

**Appendix D**  
**Hydrologic Success by Year**  
**2004 Reference Ranges (Success Criteria 2)**  
**Success Criteria by Management Unit (2004)**

### Hydrologic Success by Year

Gauge	Management Unit	Soil Type <sup>a</sup>	Hydrologic Success Met				
			2002	2003	2004	2005	2006
1	13A	Ba	Y	Y	Y		
2	16	Mu	Y	Y	Y		
3	13B	Mu	N	N	N		
4	13B	Mu	Y	N	Y		
5	17	DA	N	Y	Y		
6	17	DA	N	Y	Y		
7	16	CT	N	Y	Y		
8	16	CT	N	Y	Y		
9	12B	Pa	N	Y	Y		
10	12B	Pa	N	Y	Y		
11	15	Pa	Y	N	Y		
12	14	Pa	Y	Y	Y		
13	14	Ba	Y	Y	Y		
14	13A	CT	Y	Y	Y		
15	13A	Pa	Y	Y	Y		
16	12A	Pa	Y	Y	Y		
17	12A	Pa	Y	Y	Y		
18	12B	Pa	N	N	Y		
19	16	Pa	N	Y	Y		
20	13A	Pa	Y	Y	Y		
21	18	Pa	Y	Y	Y		
22	14	Pa	Y	Y	Y		
23	14	Pa	Y	Y	Y		
24	13B	Mu	N	N	N		
25	15	Pa	Y	Y	Y		
26	15	Mu	Y	Y	Y		
27*	15	Mu	REF	REF	REF		
28	16	DA	N	Y	Y		
29	17	CT	N	Y	Y		
30	17	DA	N	Y	Y		
31	16	CT	N	Y	Y		
32	17	Ba	Y	Y	Y		
33	17	Ba	N	Y	Y		
34	18	Pa	Y	Y	Y		
35*	Offsite	To	N/A	N/A	N/A		
36	12B	Pa	Y	Y	Y		

Table continues.

Table continued.

Gauge	Management Unit	Soil Type <sup>a</sup>	Hydrologic Success Met				
			2002	2003	2004	2005	2006
37	12B	Pa	N	Y	Y		
38	12B	Mu	Y	Y	Y		
39*	Offsite	DO	REF	REF	REF		
40	13A	CT	N	Y	Y		
41	9	Ba	N/A	Y	Y		
42	9	CT	N/A	Y	Y		
43	9	CT	N/A	Y	Y		
44	8	CT	N/A	Y	Y		
45	10A	CT	N/A	Y	Y		
46	10A	CT	N/A	Y	Y		
47	8	Ba	N/A	Y	Y		
48	10B	CT	N/A	Y	Y		
49	10B	Ba	N/A	Y	Y		
50	10B	Ba	N/A	Y	Y		
51	8	Ba	N/A	Y	Y		
52	7	Ba	N/A	Y	Y		
53	4A	Ba	N/A	Y	Y		
54	4B	Pa	N/A	Y	Y		
55	4B	Ba	N/A	Y	Y		
56	4B	CT	N/A	Y	Y		
57	4B	CT	N/A	Y	Y		
58	4B	Ba	N/A	Y	Y		
59	4B	Ba	N/A	Y	Y		
60	10A	Ba	N/A	Y	Y		
61	10A	CT	N/A	Y	Y		
62	10C	Ra	N/A	Y	Y		
63	10C	Pa	N/A	Y	Y		
64	10C	Ra	N/A	Y	Y		
65	10B	Pa	N/A	Y	Y		
66	10B	Ra	N/A	Y	Y		
67	10B	Pa	N/A	Y	Y		
68	11	Ba	N/A	Y	Y		
69	10B	Ba	N/A	Y	Y		
70	10B	Ba	N/A	Y	Y		
71	7	Ba	N/A	Y	Y		

Table continues.

Table continued.

Gauge	Management Unit	Soil Type <sup>a</sup>	Hydrologic Success Met				
			2002	2003	2004	2005	2006
72	7	Ba	N/A	Y	Y		
73	7	Pa	N/A	Y	Y		
74	6	Ba	N/A	Y	Y		
75	6	Ba	N/A	N	N		
76	6	Ba	N/A	N	Y		
77	6	CT	N/A	Y	Y		
78	6	MM	N/A	Y	Y		
79	6	DO	N/A	Y	Y		
80	6	DO	N/A	Y	Y		
81	6	Ba	N/A	Y	Y		
82	6	Pa	N/A	Y	Y		
83	1	Pa	N/A	Y	Y		
84	5	Ra	N/A	Y	Y		
85	5	Pa	N/A	N	Y		
86*	1	La	REF	REF	REF		
87	1	La	N/A	Y	Y		
88*	1	Pa	REF	REF	REF		
89*	1	Ra	REF	REF	REF		
90*	Offsite	Pa	REF	REF	REF		
91*	2A	MM	REF	REF	REF		
92	2A	La	N/A	Y	N		
93	2A	La	N/A	Y	N		
94	2B	Pa	N/A	Y	Y		
95	5	La	N/A	Y	Y		
96	2B	La	N/A	Y	Y		
97	7	Ba	N/A	Y	Y		
98	3	Ba	N/A	Y	Y		
99*	4A	Ba	REF	REF	REF		
100	2B	La	N/A	Y	Y		
101	3	Ba	N/A	Y	Y		
102	2B	Ba	N/A	N	N		
103	8	CT	N/A	Y	Y		
104*	Offsite	DA	REF	REF	REF		
105*	Offsite	CT	REF	REF	REF		
106	5	Ba	N/A	Y	Y		
107	6	Ba	N/A	Y	Y		

Table continues.

Table continued.

Gauge	Management Unit	Soil Type	Hydrologic Success Met				
			2002	2003	2004	2005	2006
108	6	Ba	N/A	Y	Y		
109	6	MM	N/A	Y	Y		
110	7	Pa	N/A	Y	Y		
111	7	Ba	N/A	Y	Y		
112	4A	Ba	N/A	Y	Y		
113	8	Ba	N/A	Y	Y		
114	8	CT	N/A	Y	Y		
115	8	Pa	N/A	Y	Y		
116	8	Pa	N/A	Y	Y		
117	8	CT	N/A	Y	Y		
118	10A	Ba	N/A	Y	Y		
119	10A	CT	N/A	Y	Y		
120	10A	CT	N/A	Y	Y		
121	10C	Pa	N/A	Y	Y		
122	10B	Pa	N/A	Y	Y		
123	10B	CT	N/A	Y	Y		
124	10B	Pa	N/A	Y	Y		
125	13A	CT	Y	Y	Y		
126	13A	CT	N	Y	Y		
127	13A	CT	N	Y	Y		
128	16	CT	N	Y	Y		
129	16	CT	N	Y	Y		
130	16	Pa	N	Y	Y		
131	16	Mu	Y	Y	Y		
132	17	CT	N	Y	Y		
133	18	CT	N	N	Y		
134	12B	Pa	N	Y	Y		
135	12B	Pa	N	Y	Y		
136	12A	Mu	N	Y	Y		
137	12A	Mu	N	N	N		
138	15	Pa	Y	Y	Y		
139	13B	Ba	Y	Y	Y		
140	13B	Pa	Y	Y	Y		
141	13B	Pa	Y	Y	Y		
142	13A	Pa	N	Y	Y		
143	10C	Pa	N/A	Y	Y		

Table continues.

Table continued.

Gauge	Management Unit	Soil Type	Hydrologic Success Met				
			2002	2003	2004	2005	2006
144	11	Pa	N/A	Y	Y		
145	11	Ba	N/A	Y	Y		
146	6	La	N/A	Y	Y		
147	6	Ba	N/A	Y	Y		
148	6	MM	N/A	Y	Y		
149	5	Pa	N/A	N	N		
150	2B	La	N/A	Y	Y		
151	3	La	N/A	Y	Y		
152	2B	Ba	N/A	Y	Y		
153	2B	Ba	N/A	Y	Y		
154	3	Ba	N/A	Y	Y		
155	7	Ba	N/A	Y	Y		
156	7	Ba	N/A	Y	Y		
157	12B	CT	N	Y	Y		
158	18	CT	N	Y	Y		
159	18	CT	N	Y	Y		
160	17	Ba	Y	Y	Y		
161	17	CT	N	Y	Y		
162	16	CT	N	Y	Y		
163	17	CT	N	Y	Y		
164	16	CT	N	Y	Y		
165	16	CT	N	Y	Y		
166	16	DA	N	Y	Y		
167	15	CT	N	Y	Y		
168	16	CT	Y	Y	Y		
169	16	Pa	Y	Y	Y		
170	15	CT	Y	Y	Y		
171	15	Ba	Y	Y	Y		
172	13B	Ba	Y	Y	Y		
173	13B	Ba	Y	Y	Y		
174	13A	Ba	Y	Y	Y		
175	14	Ba	Y	Y	Y		
176	13A	Ba	Y	Y	Y		
177	14	Pa	Y	Y	Y		
178	13A	Mu	Y	Y	Y		
179	12A	Pa	Y	Y	Y		

Table continues.

Table continued.

Gauge	Management Unit	Soil Type	Hydrologic Success Met				
			2002	2003	2004	2005	2006
180	12A	Ba	N	Y	Y		
181	16	Mu	Y	N	Y		
182	12B	Mu	N	Y	N		
183	12B	Mu	N	N	N		
184	18	Ln	N	Y	Y		
185	15	CT	Y	Y	Y		
186	14	Pa	Y	Y	Y		
187	15	Ba	Y	Y	Y		
188	12B	Pa	N	Y	Y		
189	15	Pa	Y	Y	Y		
190	14	Pa	Y	Y	Y		
191	18	Pa	N	N	Y		
192	16	Mu	Y	Y	Y		
193	16	Mu	Y	Y	Y		
194	13B	Mu	Y	N	Y		
195	16	Ln	N	Y	Y		
196	17	Pa	Y	Y	N/A		
197	12B	Pa	Y	Y	Y		
198	13B	Ln	Y	Y	Y		
199*	15	Mu	REF	REF	REF		
200*	15	Mu	REF	REF	REF		
201*	Offsite	DO	REF	REF	REF		
202*	Offsite	DO	REF	REF	REF		
203*	4A	Ba	REF	REF	REF		
204*	4A	Ba	REF	REF	REF		
205*	4A	Pa	REF	REF	REF		
206*	4B	CT	REF	REF	REF		
207*	Offsite	CT	REF	REF	REF		
208*	Offsite	DA	REF	REF	REF		
209*	Offsite	DA	REF	REF	REF		
210*	Offsite	Ln	REF	REF	REF		
211*	Offsite	Ln	REF	REF	REF		
212*	Offsite	Ln	REF	REF	REF		
213*	2A	MM	REF	REF	REF		
214*	2A	MM	REF	REF	REF		
215*	1	Ra	REF	REF	REF		

Table continues.

Table continued.

Gauge	Management Unit	Soil Type	Hydrologic Success Met				
			2002	2003	2004	2005	2006
216*	1	La	REF	REF	REF		
217*	1	La	REF	REF	REF		
218*	1	La	REF	REF	REF		
219	1	Ra	N/A	Y	Y		
220	1	La	N/A	Y	Y		
221	5	La	N/A	Y	Y		
222	5	La	N/A	Y	Y		
223	1	Pa	N/A	Y	Y		
224	5	Pa	N/A	Y	Y		
225	5	Pa	N/A	Y	Y		
226	6	Pa	N/A	Y	Y		
227	6	MM	N/A	Y	N		
228	6	MM	N/A	Y	Y		
229	6	CT	N/A	Y	Y		
230	6	Ba	N/A	Y	Y		
231	6	CT	N/A	Y	Y		
232	11	Ra	N/A	Y	Y		
233	6	Ra	N/A	Y	Y		
234	6	Ba	N/A	Y	Y		
235	5	Ba	N/A	Y	Y		
236	5	MM	N/A	Y	N		
237	5	MM	N/A	Y	Y		
238	5	Ra	N/A	Y	Y		
239	5	Ra	N/A	Y	N		
240	6	CT	N/A	Y	Y		
241	5	Ra	N/A	Y	Y		
242	5	La	N/A	Y	Y		
243	2A	Ba	N/A	Y	Y		
244	2A	La	N/A	Y	Y		
245	2B	Ba	N/A	Y	Y		
246	2B	La	N/A	Y	Y		
247	2B	La	N/A	Y	N		
248	2B	La	N/A	Y	Y		
249	2B	La	N/A	Y	Y		
250	3	La	N/A	Y	Y		
251	2B	Ba	N/A	Y	Y		

Table continues.

Table continued.

Gauge	Management Unit	Soil Type	Hydrologic Success Met				
			2002	2003	2004	2005	2006
252	2B	Ba	N/A	Y	Y		
253	2B	Ba	N/A	Y	Y		
254	2B	Ba	N/A	Y	Y		
255	3	Ba	N/A	Y	Y		
256	3	Ba	N/A	N	Y		
257	3	Ba	N/A	Y	Y		
258	3	Ba	N/A	N	Y		
259	3	Ba	N/A	N	Y		
260	4A	Ba	N/A	N	Y		
261	2B	Ba	N/A	Y	Y		
262	2B	Ba	N/A	Y	Y		
263	2B	Ba	N/A	Y	Y		
264	7	Ba	N/A	Y	Y		
265	7	Ba	N/A	Y	Y		
266	8	Ba	N/A	Y	Y		
267	7	Ba	N/A	Y	Y		
268	7	Ba	N/A	Y	Y		
269	8	Ba	N/A	Y	Y		
270	7	Ba	N/A	Y	Y		
271	10B	Ba	N/A	Y	Y		
272	10B	Ba	N/A	Y	Y		
273	10B	Ba	N/A	Y	Y		
274	10B	Ba	N/A	Y	Y		
275	11	Ba	N/A	Y	Y		
276	11	Ra	N/A	Y	Y		
277	10B	Ra	N/A	Y	Y		
278	11	CT	N/A	Y	Y		
279	11	CT	N/A	Y	Y		
280	12A	Pa	N/A	Y	Y		
281	12A	Ra	N/A	Y	Y		
282	10C	Pa	N/A	Y	Y		
283	10C	Pa	N/A	Y	Y		
284	10C	CT	N/A	Y	Y		
285	10C	CT	N/A	Y	Y		
286	10C	Ra	N/A	N	N		
287	10C	Ra	N/A	N	N		

Table continues.

Table continued.

Gauge	Management Unit	Soil Type	Hydrologic Success Met				
			2002	2003	2004	2005	2006
288	12A	Ra	N/A	Y	Y		
289	10C	Pa	N/A	Y	Y		
290	10C	Pa	N/A	Y	Y		
291	10C	Pa	N/A	N	Y		
292	13A	Pa	N/A	Y	Y		
293	10C	CT	N/A	Y	Y		
294	10C	CT	N/A	Y	Y		
295	13A	Pa	N/A	Y	Y		
296	10A	CT	N/A	Y	Y		
297	13A	CT	N/A	Y	Y		
298	10A	Ba	N/A	Y	Y		
299	10A	Ba	N/A	Y	Y		
300	10A	Ba	N/A	Y	Y		
301	9	Ba	N/A	Y	Y		
302	10A	Ba	N/A	Y	Y		
303	9	Ba	N/A	Y	Y		
304	10A	CT	N/A	Y	Y		
305	9	CT	N/A	Y	Y		
306	9	CT	N/A	Y	Y		
307	8	CT	N/A	Y	Y		
308	10A	CT	N/A	Y	Y		
309	8	CT	N/A	Y	Y		
310	10B	CT	N/A	Y	Y		
311	8	Ba	N/A	Y	Y		
312	8	CT	N/A	Y	Y		
313	9	Ba	N/A	Y	Y		
314	8	Ba	N/A	Y	Y		
315	8	Ba	N/A	Y	Y		
316*	1	Ra	N/A	REF	REF		
317	4B	Ba	N/A	Y	Y		
318	4B	Ba	N/A	Y	Y		
319*	12A	Pa	N/A	REF	REF		
320*	15	Mu	N/A	REF	REF		
321	5	Pa	N/A	N/A	Y		

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba-Bayboro mucky loam; CT-Croatan muck; DA-Dare muck; DO- Dorovan muck; La-Leaf silt loam;  
 Ln-Leon sand; MM-Masontown/Muckalee; Mu-Murville mucky loam; Pa-Pantego fine sandy loam;  
 Ra-Rains fine sandy loam; To-Torhunta fine sandy loam.

**2004 Reference Ranges  
(Success Criteria 2)**

March 18-November 14				
Soil Mapping Unit	Success Criteria 2			
	50% of Reference Range		20% of Reference Range	
	Days	%	Days	%
<b>Bayboro (Ba)</b>	36-165	14.9-68.2	57-132	23.6-54.5
<b>Croatan (CT)</b>	63-242	26.0-100	101-242	41.7-100
<b>Dare (DA)</b>	121-242	50.0-100	193-242	79.8-100
<b>Dorovan (DO)</b>	121-242	50.0-100	193-242	79.8-100
<b>Leaf (La)</b>	53-177	21.9-73.1	84-141	34.7-58.3
<b>Leon (Ln)</b>	28-111	11.6-45.9	45-88	18.6-36.4
<b>Masontown/Muckalee (MM)</b>	121-242	50.0-100	193-242	79.8-100
<b>Murville (Mu)</b>	55-242	22.7-100	88-242	36.4-100
<b>Pantego (Pa)</b>	41-189	16.9-78.1	65-151	26.9-62.4
<b>Rains (Ra)</b>	37-172	15.3-71.1	60-138	24.8-57.0
March 18-June 30				
Soil Mapping Unit	Success Criteria 2			
	50% of Reference Range		20% of Reference Range	
	Days	%	Days	%
<b>Bayboro (Ba)</b>	21-105	8.7-43.4	33-105	13.6-43.4
<b>Croatan (CT)</b>	35-105	14.5-43.4	56-105	23.1-43.4
<b>Dare (DA)</b>	52-105	21.5-43.4	84-105	34.7-43.4
<b>Dorovan (DO)</b>	52-105	21.5-43.4	84-105	34.7-43.4
<b>Leaf (La)</b>	31-102	12.8-42.1	49-81	20.2-33.5
<b>Leon (Ln)</b>	5-18	2.1-7.4	8-14	3.3-5.8
<b>Masontown/Muckalee (MM)</b>	52-105	21.5-43.4	84-105	34.7-43.4
<b>Murville (Mu)</b>	48-105	19.8-43.4	77-105	31.8-43.4
<b>Pantego (Pa)</b>	31-105	12.8-43.4	50-96	20.7-39.7
<b>Rains (Ra)</b>	29-105	12.0-43.4	47-86	19.4-35.6

**Success Criteria by Management Unit (2004)**

<b>MU 1</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
83	Pa/NP	126	52.1	Y	Y	Y
86*	La/NP	118 <sup>b</sup>	48.8 <sup>b</sup>	N/A	N/A	N/A
87	La/NE	113	46.7	Y	Y	Y
88*	Pa/NP	107	44.2	N/A	N/A	N/A
89*	Ra/NP	114	47.1	N/A	N/A	N/A
215*	Ra/NP	115	47.5	N/A	N/A	N/A
216*	La/NP	113	46.7	N/A	N/A	N/A
217*	La/NP	108	44.6	N/A	N/A	N/A
218*	La/NP	106	43.8	N/A	N/A	N/A
219	Ra/NE	118	48.8	Y	Y	Y
220	La/NE	98	40.5	Y	Y	Y
223	Pa/NE	242	100	Y	E	E
316*	Ra/NP	75	31.0	N/A	N/A	N/A

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: La - Leaf silt loam; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Enhancement – NE, Non-riverine Preservation – NP

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>d</sup>
83	Pa/NP	83	34.3	Y	Y	Y
86*	La/NP	65	26.9	N/A	N/A	N/A
87	La/NE	62	25.6	Y	Y	Y
88*	Pa/NP	68	28.1	N/A	N/A	N/A
89*	Ra/NP	72	29.8	N/A	N/A	N/A
215*	Ra/NP	65	26.9	N/A	N/A	N/A
216*	La/NP	62	25.6	N/A	N/A	N/A
217*	La/NP	34 (68)	28.1	N/A	N/A	N/A
218*	La/NP	63 (68)	28.1	N/A	N/A	N/A
219	Ra/NE	69	28.5	Y	Y	Y
220	La/NE	69	28.5	Y	Y	Y
223	Pa/NE	105	43.4	Y	Y	E
316*	Ra/NP	59	24.4	N/A	N/A	N/A

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: La - Leaf silt loam; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Enhancement – NE, Non-riverine Preservation – NP

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 2A</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
91*	MM/RP	242	100.0	N/A	N/A	N/A
92	La/NE	28	11.6	N	N	N
93	La/NR	43	17.8	Y	N	N
213*	MM/RP	242	100.0	N/A	N/A	N/A
214*	MM/RP	242	100.0	N/A	N/A	N/A
243	Ba/RE	92 <sup>b</sup>	38.0 <sup>b</sup>	Y	Y	Y
244	La/NE	79 <sup>b</sup>	32.1 <sup>b</sup>	Y	Y	N

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; La - Leaf silt loam; MM - Masontown/Muckalee

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Riverine Enhancement – RE, Riverine Preservation - RP

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30	% of Growing Season <sup>b</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
91*	MM/RP	105	43.4	N/A	N/A	N/A
92	La/NE	23	9.5	N	N	N
93	La/NR	9	3.7	N	N	N
213*	MM/RP	105	43.4	N/A	N/A	N/A
214*	MM/RP	105	43.4	N/A	N/A	N/A
243	Ba/RE	66	27.3	Y	Y	Y
244	La/NE	65	26.9	Y	Y	Y

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; La - Leaf silt loam; MM - Masontown/Muckalee

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Riverine Enhancement – RE, Riverine Preservation - RP

<sup>b</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 2B</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
94	Pa/NR	78	32.2	Y	Y	Y
96	La/NR	118	48.8	Y	Y	Y
100	La/NR	104	43.0	Y	Y	Y
102	Ba/RR	25	10.3	N	N	N
150	La/NR	55	22.7	Y	Y	N
152	Ba/NR	70	28.9	Y	Y	Y
153	Ba/NR	110 <sup>b</sup>	45.5 <sup>b</sup>	Y	Y	Y
245	Ba/RE	242	100	Y	E	E
246	La/RE	105 <sup>b</sup>	43.4 <sup>b</sup>	Y	Y	Y
247	La/NR	44	18.2	Y	N	N
248	La/NR	65	26.9	Y	Y	N
249	La/NR	102	42.2	Y	Y	Y
251	Ba/NR	126	52.1	Y	Y	Y
252	Ba/NR	118	48.8	Y	Y	Y
253	Ba/NR	103	42.6	Y	Y	Y
254	Ba/NR	126 <sup>b</sup>	52.1 <sup>b</sup>	Y	Y	Y
261	Ba/NR	118	48.8	Y	Y	Y
262	Ba/NR	242	100	Y	E	E
263	Ba/NR	110	45.5	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; La - Leaf silt loam; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR; Riverine Enhancement – RE; Riverine Restoration – RR

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 2B</b>						
<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
94	Pa/NR	64	26.4	Y	Y	Y
96	La/NR	72	29.8	Y	Y	Y
100	La/NR	69	28.5	Y	Y	Y
102	Ba/RR	8	3.3	N	N	N
150	La/NR	44	18.2	Y	Y	N
152	Ba/NR	70	28.9	Y	Y	Y
153	Ba/NR	79	32.6	Y	Y	Y
245	Ba/RE	105	43.4	Y	Y	Y
246	La/RE	66	27.3	Y	Y	Y
247	La/NR	44	18.2	Y	Y	N
248	La/NR	31 (65)	26.9	Y	Y	Y
249	La/NR	72	29.8	Y	Y	Y
251	Ba/NR	80	33.1	Y	Y	Y
252	Ba/NR	72	29.8	Y	Y	Y
253	Ba/NR	70	28.9	Y	Y	Y
254	Ba/NR	79	32.6	Y	Y	Y
261	Ba/NR	71	29.3	Y	Y	Y
262	Ba/NR	105	43.4	Y	Y	Y
263	Ba/NR	70	28.9	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; La - Leaf silt loam; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR; Riverine Enhancement – RE; Riverine Restoration – RR

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 3</b>						
<b>March 18-November 14</b>						
Gauge	Soil & Mit.	No. Days <12"	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
98	Ba/NR	96	39.7	Y	Y	Y
101	Ba/NR	97	40.1	Y	Y	Y
151	La/NR	91	37.6	Y	Y	Y
154	Ba/NE	111	45.9	Y	Y	Y
250	La/NR	111 <sup>b</sup>	45.9 <sup>b</sup>	Y	Y	Y
255	Ba/NR	102	42.2	Y	Y	Y
256	Ba/RR	94	38.8	Y	Y	Y
257	Ba/RE	126	52.1	Y	Y	Y
258	Ba/NR	58 <sup>b</sup>	24.0 <sup>b</sup>	Y	Y	Y
259	Ba/NR	44	18.2	Y	Y	N

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; La - Leaf silt loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Riverine Restoration – RR, Riverine Enhancement – RE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
Gauge	Soil & Mit.	No. Days <12"	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
98	Ba/NR	66	27.3	Y	Y	Y
101	Ba/NR	67	27.7	Y	Y	Y
151	La/NR	65	26.9	Y	Y	Y
154	Ba/NE	71	29.3	Y	Y	Y
250	La/NR	66	27.3	Y	Y	Y
255	Ba/NR	62 (67)	27.7	Y	Y	Y
256	Ba/RR	22 (57)	23.6	N	Y	Y
257	Ba/RE	92	38.0	Y	Y	Y
258	Ba/NR	23	9.5	N	Y	N
259	Ba/NR	12	5.0	N	N	N

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; La - Leaf silt loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Riverine Restoration – RR, Riverine Enhancement – RE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

### Success Criteria by Management Unit (2004)

<b>MU 4A</b>						
<b>March 18-November 14</b>						
<b>Gauge Site</b>	<b>Soil &amp; Mit. Type<sup>a</sup></b>	<b>No. Days &lt;12" March 18-November 14</b>	<b>% of Growing Season<sup>c</sup></b>	<b>Success Criterion 1</b>	<b>Success Criterion 2</b>	
					<b>50% (years 1-3)</b>	<b>20% (years 4-5)</b>
53	Ba/NE	104 <sup>b</sup>	43.0 <sup>b</sup>	Y	Y	Y
99*	Ba/RP	110	45.4	N/A	N/A	N/A
112	Ba/NE	104	43.0	Y	Y	Y
203*	Ba/RP	72	29.8	N/A	N/A	N/A
204*	Ba/RP	Incomplete	N/A	N/A	N/A	N/A
205*	Pa/NP	Incomplete	N/A	N/A	N/A	N/A
260	Ba/NR	91 <sup>b</sup>	37.6 <sup>b</sup>	Y	Y	Y

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Non-riverine Preservation – NP, Riverine Preservation - RP

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
<b>Gauge Site</b>	<b>Soil &amp; Mit. Type<sup>a</sup></b>	<b>No. Days &lt;12" March 18-June 30<sup>b</sup></b>	<b>% of Growing Season<sup>c</sup></b>	<b>Success Criterion 1</b>	<b>Success Criterion 2</b>	
					<b>50% (years 1-3)</b>	<b>20% (years 4-5)</b>
53	Ba/NE	78	32.2	Y	Y	Y
99*	Ba/RP	71	29.3	N/A	N/A	N/A
112	Ba/NE	70	28.9	Y	Y	Y
203*	Ba/RP	42	17.4	N/A	N/A	N/A
204*	Ba/RP	42 (90)	37.2	N/A	N/A	N/A
205*	Pa/NP	78	32.2	N/A	N/A	N/A
260	Ba/NR	27	11.2	N	Y	N

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Non-riverine Preservation – NP, Riverine Preservation - RP

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 4B</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
54	Pa/NP	109	45.0	Y	Y	Y
55	Ba/NE	242	100	Y	E	E
56	CT/NP	242	100	Y	Y	Y
57	CT/NE	136 <sup>b</sup>	56.2 <sup>b</sup>	Y	Y	Y
58	Ba/NE	106	43.8	Y	Y	Y
59	Ba/NR	110	45.5	Y	Y	Y
206*	CT/NP	Incomplete	N/A	N/A	N/A	N/A
317	Ba/NR	110	45.5	Y	Y	Y
318	Ba/NR	110	45.5	Y	Y	Y

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Non-riverine Preservation – NP

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
54	Pa/NP	79	32.6	Y	Y	Y
55	Ba/NE	105	43.4	Y	Y	Y
56	CT/NP	105	43.4	Y	Y	Y
57	CT/NE	97	40.1	Y	Y	Y
58	Ba/NE	70	28.9	Y	Y	Y
59	Ba/NR	78	32.2	Y	Y	Y
206*	CT/NP	97 (105)	43.4	N/A	N/A	N/A
317	Ba/NR	80	33.1	Y	Y	Y
318	Ba/NR	65 (78)	32.2	Y	Y	Y

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Non-riverine Preservation – NP

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 5</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
84	Ra/NR	113	46.7	Y	Y	Y
85	Pa/NR	44	18.2	Y	Y	N
95	La/NR	55	22.7	Y	Y	N
106	Ba/NE	157 <sup>b</sup>	64.9 <sup>b</sup>	Y	Y	E
149	Pa/NR	40	16.5	Y	N	N
221	La/NR	126	52.1	Y	Y	Y
222	La/NR	99	40.9	Y	Y	Y
224	Pa/NR	137 <sup>b</sup>	56.6 <sup>b</sup>	Y	Y	Y
225	Pa/NR	137 <sup>b</sup>	56.6 <sup>b</sup>	Y	Y	Y
235	Ba/NR	242	100	Y	E	E
236	MM/RR	114	47.1	Y	N	N
237	MM/RE	242	100	Y	Y	Y
238	Ra/NR	43	17.8	Y	Y	N
239	Ra/NR	26	10.7	N	N	N
241	Ra/NE	242	100	Y	E	E
242	La/NR	157	64.9	Y	Y	E
321	Pa/NR	56	23.1	Y	Y	N

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; La - Leaf silt loam; MM - Masontown/Muckalee; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Riverine Restoration – RR, Riverine Enhancement – RE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 5</b>						
<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
84	Ra/NR	52 (64)	26.4	Y	Y	Y
85	Pa/NR	37	15.3	Y	Y	N
95	La/NR	44	18.2	Y	Y	N
106	Ba/NE	80	33.1	Y	Y	Y
149	Pa/NR	6	2.5	N	N	N
221	La/NR	68	28.1	Y	Y	Y
222	La/NR	57	23.6	Y	Y	Y
224	Pa/NR	80	33.1	Y	Y	Y
225	Pa/NR	36 (77)	31.8	Y	Y	Y
235	Ba/NR	105	43.4	Y	Y	Y
236	MM/RR	70	28.9	Y	Y	N
237	MM/RE	105	43.4	Y	Y	Y
238	Ra/NR	33	13.6	Y	Y	N
239	Ra/NR	13	5.4	N	N	N
241	Ra/NE	105	43.4	Y	Y	E
242	La/NR	105	43.4	Y	E	E
321	Pa/NR	56	23.1	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayborn mucky loam; La - Leaf silt loam; MM - Masontown/Muckalee; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Riverine Restoration – RR, Riverine Enhancement – RE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 6</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
74	Ba/NR	97	40.1	Y	Y	Y
75	Ba/NR	6	2.5	N	N	N
76	Ba/NR	40	16.5	Y	Y	N
77	CT/RE	242	100	Y	Y	Y
78	MM/RR	242	100	Y	Y	Y
79	DO/RR	242 <sup>b</sup>	100 <sup>b</sup>	Y	Y	Y
80	DO/RR	242	100	Y	Y	Y
81	Ba/RR	242	100	Y	E	E
82	Pa/NR	242	100	Y	E	E
107	Ba/NR	242	100	Y	E	E
108	Ba/NR	242	100	Y	E	E
109	MM/RR	242	100	Y	Y	Y
146	La/NR	88	36.4	Y	Y	Y
147	Ba/NE	242	100	Y	E	E
148	MM/RE	242 <sup>b</sup>	100 <sup>b</sup>	Y	Y	Y
226	Pa/NR	242 <sup>b</sup>	100 <sup>b</sup>	Y	E	E
227	MM/RR	94 <sup>b</sup>	38.8 <sup>b</sup>	Y	N	N
228	MM/RE	242	100	Y	Y	Y
229	CT/RE	242 <sup>b</sup>	100 <sup>b</sup>	Y	Y	Y
230	Ba/RR	242	100	Y	E	E
231	CT/RR	242	100	Y	Y	Y
233	Ra/NR	104	43.0	Y	Y	Y
234	Ba/NR	242 <sup>b</sup>	100 <sup>b</sup>	Y	E	E
240	CT/NR	242	100	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; DO - Dorovan muck; La - Leaf silt loam; MM - Masontown/Muckalee; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Riverine Restoration – RR, Riverine Enhancement – RE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 6</b>						
<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>d</sup>
74	Ba/NR	17	7.0	N	N	N
75	Ba/NR	5	2.1	N	N	N
76	Ba/NR	7	2.9	N	N	N
77	CT/RE	105	43.4	Y	Y	Y
78	MM/RR	105	43.4	Y	Y	Y
79	DO/RR	105	43.4	Y	Y	Y
80	DO/RR	105	43.4	Y	Y	Y
81	Ba/RR	105	43.4	Y	Y	Y
82	Pa/NR	105	43.4	Y	Y	E
107	Ba/NR	105	43.4	Y	Y	Y
108	Ba/NR	105	43.4	Y	Y	Y
109	MM/RR	105	43.4	Y	Y	Y
146	La/NR	65	26.9	Y	Y	Y
147	Ba/NE	105	43.4	Y	Y	Y
148	MM/RE	105	43.4	Y	Y	Y
226	Pa/NR	105	43.4	Y	Y	E
227	MM/RR	63	26.0	Y	Y	N
228	MM/RE	105	43.4	Y	Y	Y
229	CT/RE	105	43.4	Y	Y	Y
230	Ba/RR	105	43.4	Y	Y	Y
231	CT/RR	105	43.4	Y	Y	Y
233	Ra/NR	37	15.3	Y	Y	N
234	Ba/NR	34 (73)	30.2	Y	Y	Y
240	CT/NR	105	43.4	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; DO - Dorovan muck; La - Leaf silt loam; MM - Masontown/Muckalee; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Riverine Restoration – RR, Riverine Enhancement – RE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 7</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
52	Ba/NE	110	45.5	Y	Y	Y
71	Ba/NR	110	45.5	Y	Y	Y
72	Ba/NR	126	52.1	Y	Y	Y
73	Pa/NR	110	45.5	Y	Y	Y
97	Ba/NR	126	52.1	Y	Y	Y
110	Pa/NR	110	45.5	Y	Y	Y
111	Ba/NE	110	45.5	Y	Y	Y
155	Ba/NR	110	45.5	Y	Y	Y
156	Ba/NR	110 <sup>b</sup>	45.5 <sup>b</sup>	Y	Y	Y
264	Ba/NR	242	100	Y	E	E
265	Ba/NR	114	47.1	Y	Y	Y
267	Ba/NE	110	45.5	Y	Y	Y
268	Ba/NR	110	45.5	Y	Y	Y
270	Ba/NR	242	100	Y	E	E

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
52	Ba/NE	90	37.2	Y	Y	Y
71	Ba/NR	72	29.8	Y	Y	Y
72	Ba/NR	71	29.3	Y	Y	Y
73	Pa/NR	69	28.5	Y	Y	Y
97	Ba/NR	105	43.4	Y	Y	Y
110	Pa/NR	70	28.9	Y	Y	Y
111	Ba/NE	57 (91)	37.6	Y	Y	Y
155	Ba/NR	66	27.3	Y	Y	Y
156	Ba/NR	78	32.2	Y	Y	Y
264	Ba/NR	105	43.4	Y	Y	Y
265	Ba/NR	105	43.4	Y	Y	Y
267	Ba/NE	30 (78)	32.2	Y	Y	Y
268	Ba/NR	91	37.6	Y	Y	Y
270	Ba/NR	105	43.4	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 8</b>						
March 18-November 14						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
44	CT/NR	110	45.5	Y	Y	Y
47	Ba/NR	112	46.3	Y	Y	Y
51	Ba/NE	242 <sup>b</sup>	100 <sup>b</sup>	Y	E	E
103	CT/NE	242 <sup>b</sup>	100 <sup>b</sup>	Y	Y	Y
113	Ba/NE	126 <sup>b</sup>	52.1 <sup>b</sup>	Y	Y	Y
114	CT/NR	109	45	Y	Y	Y
115	Pa/NR	110	45.5	Y	Y	Y
116	Pa/NE	110	45.5	Y	Y	Y
117	CT/NE	242	100	Y	Y	Y
266	Ba/NR	126	52.1	Y	Y	Y
269	Ba/NE	126	52.1	Y	Y	Y
307	CT/NR	110	45.5	Y	Y	Y
309	CT/NR	111	45.9	Y	Y	Y
311	Ba/NR	110	45.5	Y	Y	Y
312	CT/NR	110 <sup>b</sup>	45.5 <sup>b</sup>	Y	Y	Y
314	Ba/NR	110	45.5	Y	Y	Y
315	Ba/NR	110	45.5	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 8</b>						
<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	<b>Success Criterion 2</b>	
					50% (years 1-3)	20% (years 4-5)
44	CT/NR	94	38.8	Y	Y	Y
47	Ba/NR	105	43.4	Y	Y	Y
51	Ba/NE	105	43.4	Y	Y	Y
103	CT/NE	71	29.3	Y	Y	Y
113	Ba/NE	105	43.4	Y	Y	Y
114	CT/NR	90	37.2	Y	Y	Y
115	Pa/NR	78	32.2	Y	Y	Y
116	Pa/NE	96	39.7	Y	Y	Y
117	CT/NE	105	43.4	Y	Y	Y
266	Ba/NR	105	43.4	Y	Y	Y
269	Ba/NE	105	43.4	Y	Y	Y
307	CT/NR	92	38.0	Y	Y	Y
309	CT/NR	105	43.4	Y	Y	Y
311	Ba/NR	57 (92)	38.0	Y	Y	Y
312	CT/NR	61 (96)	39.7	Y	Y	Y
314	Ba/NR	77	31.8	Y	Y	Y
315	Ba/NR	79	32.6	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 9</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
41	Ba/NE	110	45.5	Y	Y	Y
42	CT/NE	110	45.5	Y	Y	Y
43	CT/NE	110	45.5	Y	Y	Y
301	Ba/NR	110 <sup>b</sup>	45.5 <sup>b</sup>	Y	Y	Y
303	Ba/NR	110 <sup>b</sup>	45.5 <sup>b</sup>	Y	Y	Y
305	CT/NR	110	45.5	Y	Y	Y
306	CT/NE	110	45.5	Y	Y	Y
313	Ba/NE	110 <sup>b</sup>	45.5 <sup>b</sup>	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
41	Ba/NE	80	33.1	Y	Y	Y
42	CT/NE	77	31.8	Y	Y	Y
43	CT/NE	72	29.8	Y	Y	Y
301	Ba/NR	96	39.7	Y	Y	Y
303	Ba/NR	81	33.5	Y	Y	Y
305	CT/NR	83	34.3	Y	Y	Y
306	CT/NE	78	32.2	Y	Y	Y
313	Ba/NE	53 (92)	38.0	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 10A</b>						
<b>March 18-November 14</b>						
Gauge	Soil & Mit.	No. Days <12"	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
		March 18-November 14			50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
45	CT/NR	242	100	Y	Y	Y
46	CT/NR	109	45.0	Y	Y	Y
60	Ba/NR	242 <sup>b</sup>	100 <sup>b</sup>	Y	E	E
61	CT/NR	110	45.5	Y	Y	Y
118	Ba/NR	113	46.7	Y	Y	Y
119	CT/NR	109	45.0	Y	Y	Y
120	CT/NR	110	45.5	Y	Y	Y
296	CT/NR	113 <sup>b</sup>	46.7 <sup>b</sup>	Y	Y	Y
298	Ba/NR	242	100	Y	E	E
299	Ba/NR	242 <sup>b</sup>	100 <sup>b</sup>	Y	E	E
300	Ba/NR	242	100	Y	E	E
302	Ba/NR	242	100	Y	E	E
304	CT/NR	109	45.0	Y	Y	Y
308	CT/NR	242	100	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck

Mitigation Type: Non-riverine Restoration – NR

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

<b>March 18-June 30</b>						
Gauge	Soil & Mit.	No. Days <12"	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
		March 18-June 30 <sup>b</sup>			50% (years 1-3)	20% (years 4-5)
45	CT/NR	105	43.4	Y	Y	Y
46	CT/NR	80	33.1	Y	Y	Y
60	Ba/NR	105	43.4	Y	Y	Y
61	CT/NR	79	32.6	Y	Y	Y
118	Ba/NR	105	43.4	Y	Y	Y
119	CT/NR	35 (72)	29.8	Y	Y	Y
120	CT/NR	81	33.5	Y	Y	Y
296	CT/NR	105	43.4	Y	Y	Y
298	Ba/NR	105	43.4	Y	Y	Y
299	Ba/NR	74 (105)	43.4	Y	Y	Y
300	Ba/NR	105	43.4	Y	Y	Y
302	Ba/NR	105	43.4	Y	Y	Y
304	CT/NR	92	38.0	Y	Y	Y
308	CT/NR	105	43.4	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck

Mitigation Type: Non-riverine Restoration – NR

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 10B</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
48	CT/NR	122	50.4	Y	Y	Y
49	Ba/NR	112	46.3	Y	Y	Y
50	Ba/NR	121	50.0	Y	Y	Y
65	Pa/NE	110	45.5	Y	Y	Y
66	Ra/NE	110	45.5	Y	Y	Y
67	Pa/NR	110	45.5	Y	Y	Y
69	Ba/NR	109	45.0	Y	Y	Y
70	Ba/NE	110	45.5	Y	Y	Y
122	Pa/NR	104	43.0	Y	Y	Y
123	CT/NE	109	45.0	Y	Y	Y
124	Pa/NR	75	31.0	Y	Y	Y
271	Ba/NR	242	100	Y	E	E
272	Ba/NR	242	100	Y	E	E
273	Ba/NR	110	45.5	Y	Y	Y
274	Ba/NR	110 <sup>b</sup>	45.5 <sup>b</sup>	Y	Y	Y
277	Ra/NR	73	30.2	Y	Y	Y
310	CT/NR	112	46.3	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 10B</b>						
<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
48	CT/NR	105	43.4	Y	Y	Y
49	Ba/NR	54 (105)	43.4	Y	Y	Y
50	Ba/NR	105	43.4	Y	Y	Y
65	Pa/NE	73	30.2	Y	Y	Y
66	Ra/NE	72	29.8	Y	Y	Y
67	Pa/NR	67	27.7	Y	Y	Y
69	Ba/NR	71	29.3	Y	Y	Y
70	Ba/NE	71	29.3	Y	Y	Y
122	Pa/NR	68	28.1	Y	Y	Y
123	CT/NE	78	32.2	Y	Y	Y
124	Pa/NR	63	26.0	Y	Y	Y
271	Ba/NR	105	43.4	Y	Y	Y
272	Ba/NR	105	43.4	Y	Y	Y
273	Ba/NR	68	28.1	Y	Y	Y
274	Ba/NR	73	30.2	Y	Y	Y
277	Ra/NR	11	4.5	N	N	N
310	CT/NR	105	43.4	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 10C</b>						
<b>March 18-November 14</b>						
Gauge	Soil & Mit.	No. Days <12"	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
62	Ra/NR	56	23.1	Y	Y	N
63	Pa/NR	110	45.5	Y	Y	Y
64	Ra/NR	110	45.5	Y	Y	Y
121	Pa/NR	110	45.5	Y	Y	Y
143	Pa/NR	109	45.0	Y	Y	Y
282	Pa/NR	109	45.0	Y	Y	Y
283	Pa/NR	109	45.0	Y	Y	Y
284	CT/NR	110	45.5	Y	Y	Y
285	CT/NR	115 <sup>b</sup>	47.5 <sup>b</sup>	Y	Y	Y
286	Ra/NR	15	6.2	N	N	N
287	Ra/NR	15	6.2	N	N	N
289	Pa/NR	91	37.6	Y	Y	Y
290	Pa/NR	110	45.5	Y	Y	Y
291	Pa/NR	60	24.8	Y	Y	N
293	CT/NR	121	50.0	Y	Y	Y
294	CT/NR	242	100	Y	Y	Y

<sup>a</sup> Soil Types: CT - Croatan muck; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Type: Non-riverine Restoration – NR

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
Gauge	Soil & Mit.	No. Days <12"	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
62	Ra/NR	39 (44)	18.2	Y	Y	N
63	Pa/NR	72	29.8	Y	Y	Y
64	Ra/NR	68	28.1	Y	Y	Y
121	Pa/NR	78	32.2	Y	Y	Y
143	Pa/NR	72	29.8	Y	Y	Y
282	Pa/NR	96	39.7	Y	Y	Y
283	Pa/NR	95	39.3	Y	Y	Y
284	CT/NR	105	43.4	Y	Y	Y
285	CT/NR	91 (105)	43.4	Y	Y	Y
286	Ra/NR	9	3.7	N	N	N
287	Ra/NR	5	2.1	N	N	N
289	Pa/NR	62	25.6	Y	Y	Y
290	Pa/NR	70	28.9	Y	Y	Y
291	Pa/NR	58	24.0	Y	Y	Y
293	CT/NR	105	43.4	Y	Y	Y
294	CT/NR	105	43.4	Y	Y	Y

<sup>a</sup> Soil Types: CT - Croatan muck; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Type: Non-riverine Restoration – NR

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 11</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
68	Ba/NR	110	45.5	Y	Y	Y
144	Pa/NR	60	24.8	Y	Y	N
145	Ba/NR	110 <sup>b</sup>	45.5 <sup>b</sup>	Y	Y	Y
232	Ra/NR	109	45.0	Y	Y	Y
275	Ba/NR	126	52.1	Y	Y	Y
276	Ra/NR	73 <sup>b</sup>	30.2 <sup>b</sup>	Y	Y	Y
278	CT/NE	242	100	Y	Y	Y
279	CT/NR	242	100	Y	Y	Y

<sup>a</sup> Soil Types: Ba – Bayboro mucky loam; CT - Croatan muck; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
68	Ba/NR	64	26.4	Y	Y	Y
144	Pa/NR	49	20.2	Y	Y	N
145	Ba/NR	66	27.3	Y	Y	Y
232	Ra/NR	61	25.2	Y	Y	Y
275	Ba/NR	65 (75)	31.0	Y	Y	Y
276	Ra/NR	49	20.2	Y	Y	Y
278	CT/NE	105	43.4	Y	Y	Y
279	CT/NR	105	43.4	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 12A</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
16	Pa/NE	110	45.5	Y	Y	Y
17	Pa/NP	109	45.0	Y	Y	Y
136	Mu/NE	86	35.5	Y	Y	N
137	Mu/NR	43	17.8	Y	N	N
179	Pa/NR	115	47.5	Y	Y	Y
180	Ba/NE	76	31.4	Y	Y	Y
280	Pa/NE	121	50.0	Y	Y	Y
281	Ra/NE	109	45.0	Y	Y	Y
288	Ra/NR	87	36.0	Y	Y	Y
319*	Pa/NP	82 <sup>b</sup>	33.9 <sup>b</sup>	N/A	N/A	N/A

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Non-riverine Preservation – NP

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>d</sup>
16	Pa/NE	97	40.1	Y	Y	E
17	Pa/NP	73	30.2	Y	Y	Y
136	Mu/NE	67	27.7	Y	Y	N
137	Mu/NR	9	3.7	N	N	N
179	Pa/NR	105	43.4	Y	Y	E
180	Ba/NE	58 (66)	27.3	Y	Y	Y
280	Pa/NE	105	43.4	Y	Y	E
281	Ra/NE	72	29.8	Y	Y	Y
288	Ra/NR	60	24.8	Y	Y	Y
319*	Pa/NP	22 (63)	26.0	N/A	N/A	N/A

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam; Ra - Rains fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE, Non-riverine Preservation – NP

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 12B</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>b</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
9	Pa/NR	105	43.4	Y	Y	Y
10	Pa/NR	110	45.5	Y	Y	Y
18	Pa/NR	72	29.8	Y	Y	Y
36	Pa/NE	109	45.0	Y	Y	Y
37	Pa/NR	85	35.1	Y	Y	Y
38	Mu/NE	120	49.6	Y	Y	Y
134	Pa/NE	85	35.1	Y	Y	Y
135	Pa/NR	71	29.3	Y	Y	Y
157	CT/NR	121	50.0	Y	Y	Y
182	Mu/NR	24	9.9	N	N	N
183	Mu/NR	43	17.8	Y	N	N
188	Pa/NR	77	31.8	Y	Y	Y
197	Pa/NE	110	45.5	Y	Y	Y

<sup>a</sup> Soil Types: CT - Croatan muck; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>d</sup>
9	Pa/NR	66	27.3	Y	Y	Y
10	Pa/NR	63	26.0	Y	Y	Y
18	Pa/NR	44	18.2	Y	Y	N
36	Pa/NE	80	33.1	Y	Y	Y
37	Pa/NR	63	26.0	Y	Y	Y
38	Mu/NE	105	43.4	Y	Y	Y
134	Pa/NE	64	26.4	Y	Y	Y
135	Pa/NR	43	17.8	Y	Y	N
157	CT/NR	105	43.4	Y	Y	Y
182	Mu/NR	10	4.1	N	N	N
183	Mu/NR	9	3.7	N	N	N
188	Pa/NR	59	24.4	Y	Y	Y
197	Pa/NE	72	29.8	Y	Y	Y

<sup>a</sup> Soil Types: CT - Croatan muck; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 13A</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
1	Ba/NR	242	100	Y	E	E
14	CT/NE	242	100	Y	Y	Y
15	Pa/NR	112	46.3	Y	Y	Y
20	Pa/NE	110	45.5	Y	Y	Y
40	CT/NE	120	49.6	Y	Y	Y
125	CT/NR	131	54.1	Y	Y	Y
126	CT/NE	127	52.5	Y	Y	Y
127	CT/NE	121	50.0	Y	Y	Y
142	Pa/NR	101	41.7	Y	Y	Y
174	Ba/NR	242	100	Y	E	E
176	Ba/NR	242 <sup>b</sup>	100 <sup>b</sup>	Y	E	E
178	Mu/NR	110	45.5	Y	Y	Y
292	Pa/NE	109	45.0	Y	Y	Y
295	Pa/NR	242	100	Y	E	E
297	CT/NR	121	50.0	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration - NR, Non-riverine Enhancement - NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 13A</b>						
<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>d</sup>
1	Ba/NR	105	43.4	Y	Y	Y
14	CT/NE	105	43.4	Y	Y	Y
15	Pa/NR	40 (105)	43.4	Y	Y	E
20	Pa/NE	97	40.1	Y	Y	E
40	CT/NE	105	43.4	Y	Y	Y
125	CT/NR	105	43.4	Y	Y	Y
126	CT/NE	105	43.4	Y	Y	Y
127	CT/NE	105	43.4	Y	Y	Y
142	Pa/NR	65	26.9	Y	Y	Y
174	Ba/NR	105	43.4	Y	Y	Y
176	Ba/NR	105	43.4	Y	Y	Y
178	Mu/NR	78	32.2	Y	Y	Y
292	Pa/NE	67	27.7	Y	Y	Y
295	Pa/NR	105	43.4	Y	Y	E
297	CT/NR	105	43.4	Y	Y	Y

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 13B</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
3	Mu/NR	42	17.4	Y	N	N
4	Mu/NR	61	25.2	Y	Y	N
24	Mu/NR	32	13.2	Y	N	N
139	Ba/NE	127	52.5	Y	Y	Y
140	Pa/NE	130	53.7	Y	Y	Y
141	Pa/NE	89	36.8	Y	Y	Y
172	Ba/NR	110	45.5	Y	Y	Y
173	Ba/NE	242	100	Y	E	E
194	Mu/NE	75	31.0	Y	Y	N
198	Ln/NE	96	39.7	Y	Y	E

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Ln - Leon sand; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>d</sup>
3	Mu/NR	8	3.3	N	N	N
4	Mu/NR	58	24.0	Y	Y	N
24	Mu/NR	9	3.7	N	N	N
139	Ba/NE	105	43.4	Y	Y	Y
140	Pa/NE	105	43.4	Y	Y	E
141	Pa/NE	23	9.5	N	N	N
172	Ba/NR	66	27.3	Y	Y	Y
173	Ba/NE	105	43.4	Y	Y	E
194	Mu/NE	59	24.4	Y	Y	N
198	Ln/NE	62	25.6	Y	Y	E

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Ln - Leon sand; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

MU 14						
March 18-November 14						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
12	Pa/NR	242 <sup>b</sup>	100 <sup>b</sup>	Y	E	E
13	Ba/NR	242	100	Y	E	E
22	Pa/NR	242	100	Y	E	E
23	Pa/NE	242	100	Y	E	E
175	Ba/NR	127 <sup>b</sup>	52.5 <sup>b</sup>	Y	Y	Y
177	Pa/NR	130	53.7	Y	Y	Y
186	Pa/NR	242	100	Y	E	E
190	Pa/NR	242 <sup>b</sup>	100 <sup>b</sup>	Y	E	E

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<sup>d</sup> E - Exceeded upper limits of Reference Range

March 18-June 30						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>d</sup>
12	Pa/NR	105	43.4	Y	Y	E
13	Ba/NR	105	43.4	Y	Y	Y
22	Pa/NR	105	43.4	Y	Y	E
23	Pa/NE	105	43.4	Y	Y	E
175	Ba/NR	10 (105)	43.4	Y	Y	Y
177	Pa/NR	105	43.4	Y	Y	E
186	Pa/NR	105	43.4	Y	Y	E
190	Pa/NR	87 (105)	43.4	Y	Y	E

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

MU 15						
March 18-November 14						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
11	Pa/NR	42	17.4	Y	Y	N
25	Pa/NR	105	43.4	Y	Y	Y
26	Mu/NR	104	43.0	Y	Y	Y
27*	Mu/NP	242	100	N/A	N/A	N/A
138	Pa/NR	110	45.5	Y	Y	Y
167	CT/NE	242 <sup>b</sup>	100 <sup>b</sup>	Y	Y	Y
170	CT/NE	242	100	Y	Y	Y
171	Ba/NR	104	43.0	Y	Y	Y
185	CT/NR	126	52.1	Y	Y	Y
187	Ba/NR	131	54.1	Y	Y	Y
189	Pa/NR	110	45.5	Y	Y	Y
199*	Mu/NP	110	45.5	N/A	N/A	N/A
200*	Mu/NP	131	54.1	N/A	N/A	N/A
320*	Mu/NP	242	100	N/A	N/A	N/A

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

**Success Criteria by Management Unit (2004)**

MU 15						
March 18-June 30						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>d</sup>
11	Pa/NR	9	3.7	N	N	N
25	Pa/NR	63	26.0	Y	Y	Y
26	Mu/NR	65	26.9	Y	Y	N
27*	Mu/NP	105	43.4	N/A	N/A	N/A
138	Pa/NR	105	43.4	Y	Y	E
167	CT/NE	53 (105)	43.4	Y	Y	Y
170	CT/NE	105	43.4	Y	Y	Y
171	Ba/NR	105	43.4	Y	Y	Y
185	CT/NR	105	43.4	Y	Y	Y
187	Ba/NR	105	43.4	Y	Y	Y
189	Pa/NR	80	33.1	Y	Y	Y
199*	Mu/NP	97	40.1	N/A	N/A	N/A
200*	Mu/NP	105	43.4	N/A	N/A	N/A
320*	Mu/NP	105	43.4	N/A	N/A	N/A

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 16</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>b</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>c</sup>	20% (years 4-5) <sup>c</sup>
2	Mu/NE	110	45.5	Y	Y	Y
7	CT/NR	242	100	Y	Y	Y
8	CT/NR	242	100	Y	Y	Y
19	Pa/NE	242	100	Y	E	E
28	DA/NR	242	100	Y	Y	Y
31	CT/NR	242	100	Y	Y	Y
128	CT/NR	242	100	Y	Y	Y
129	CT/NR	242	100	Y	Y	Y
130	Pa/NR	126	52.1	Y	Y	Y
131	Mu/NE	242	100	Y	Y	Y
162	CT/NR	242	100	Y	Y	Y
164	CT/NR	242	100	Y	Y	Y
165	CT/NR	242	100	Y	Y	Y
166	DA/NR	242	100	Y	Y	Y
168	CT/NR	242	100	Y	Y	Y
169	Pa/NR	242	100	Y	E	E
181	Mu/NR	90	37.2	Y	Y	Y
192	Mu/NR	104	43.0	Y	Y	Y
193	Mu/NR	110	45.5	Y	Y	Y
195	Ln/NR	44	18.2	Y	Y	N

<sup>a</sup> Soil Types: CT - Croatan muck; DA - Dare muck; Ln - Leon sand; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Growing season is based on 242 days, a maximum of 100%

<sup>c</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 16</b>						
March 18-June 30						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30	% of Growing Season <sup>b</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5) <sup>c</sup>
2	Mu/NE	62	25.6	Y	Y	N
7	CT/NR	105	43.4	Y	Y	Y
8	CT/NR	105	43.4	Y	Y	Y
19	Pa/NE	105	43.4	Y	Y	E
28	DA/NR	105	43.4	Y	Y	Y
31	CT/NR	105	43.4	Y	Y	Y
128	CT/NR	105	43.4	Y	Y	Y
129	CT/NR	105	43.4	Y	Y	Y
130	Pa/NR	105	43.4	Y	Y	E
131	Mu/NE	105	43.4	Y	Y	Y
162	CT/NR	105	43.4	Y	Y	Y
164	CT/NR	105	43.4	Y	Y	Y
165	CT/NR	105	43.4	Y	Y	Y
166	DA/NR	105	43.4	Y	Y	Y
168	CT/NR	105	43.4	Y	Y	Y
169	Pa/NR	105	43.4	Y	Y	E
181	Mu/NR	60	24.8	Y	Y	N
192	Mu/NR	65	26.9	Y	Y	N
193	Mu/NR	68	28.1	Y	Y	N
195	Ln/NR	6	2.5	N	Y	N

<sup>a</sup> Soil Types: CT - Croatan muck; DA - Dare muck; Ln - Leon sand; Mu - Murville mucky loamy sand; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>c</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

<b>MU 17</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>c</sup>
5	DA/NR	242	100	Y	Y	Y
6	DA/NE	242	100	Y	Y	Y
29	CT/NR	242	100	Y	Y	Y
30	DA/NR	242	100	Y	Y	Y
32	Ba/NR	242	100	Y	E	E
33	Ba/NR	110	45.5	Y	Y	Y
132	CT/NE	110	45.5	Y	Y	Y
160	Ba/NR	130	53.7	Y	Y	Y
161	CT/NR	242	100	Y	Y	Y
163	CT/NR	242	100	Y	Y	Y
196	Pa/NE	Removed	N/A	N/A	N/A	N/A

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; DA - Dare muck; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Growing season is based on 242 days, a maximum of 100%

<sup>c</sup> E - Exceeded upper limits of Reference Range

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30	% of Growing Season <sup>b</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
5	DA/NR	105	43.4	Y	Y	Y
6	DA/NE	105	43.4	Y	Y	Y
29	CT/NR	105	43.4	Y	Y	Y
30	DA/NR	105	43.4	Y	Y	Y
32	Ba/NR	105	43.4	Y	Y	Y
33	Ba/NR	73	30.2	Y	Y	Y
132	CT/NE	70	28.9	Y	Y	Y
160	Ba/NR	105	43.4	Y	Y	Y
161	CT/NR	105	43.4	Y	Y	Y
163	CT/NR	105	43.4	Y	Y	Y
196	Pa/NE	Removed	N/A	N/A	N/A	N/A

<sup>a</sup> Soil Types: Ba - Bayboro mucky loam; CT - Croatan muck; DA - Dare muck; Pa - Pantego fine sandy loam

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Success Criteria by Management Unit (2004)**

<b>MU 18</b>						
<b>March 18-November 14</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-November 14 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
21	Pa/NE	131 <sup>b</sup>	54.1 <sup>b</sup>	Y	Y	Y
34	Pa/NR	110	45.5	Y	Y	Y
133	CT/NE	74	30.6	Y	Y	N
158	CT/NR	115	47.5	Y	Y	Y
159	CT/NR	110	45.5	Y	Y	Y
184	Ln/NE	71	29.3	Y	Y	Y
191	Pa/NE	60	24.8	Y	Y	N

<sup>a</sup> Soil Types: CT - Croatan muck; Pa - Pantego fine sandy loam; Ln - Leon sand

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Missing data extrapolated from comparable gauges

<sup>c</sup> Growing season is based on 242 days, a maximum of 100%

<b>March 18-June 30</b>						
Gauge Site	Soil & Mit. Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3) <sup>d</sup>	20% (years 4-5) <sup>d</sup>
21	Pa/NE	44 (105)	43.4	Y	Y	E
34	Pa/NR	79	32.6	Y	Y	Y
133	CT/NE	59	24.4	N	Y	Y
158	CT/NR	105	43.4	Y	Y	Y
159	CT/NR	72	29.8	Y	Y	Y
184	Ln/NE	59	24.4	Y	E	E
191	Pa/NE	23	9.5	N	N	N

<sup>a</sup> Soil Types: CT - Croatan muck; Pa - Pantego fine sandy loam; Ln – Leon sand

Mitigation Types: Non-riverine Restoration – NR, Non-riverine Enhancement – NE

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

<sup>d</sup> E - Exceeded upper limits of Reference Range

**Success Criteria by Management Unit (2004)**

Offsite Reference Gauges						
March 18-November 14						
Gauge Site	Soil Type <sup>a</sup>	No. Days <12" March 18-November 14	% of Growing Season <sup>b</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
35*	To	Removed	N/A	N/A	N/A	N/A
39*	DO	242	100	N/A	N/A	N/A
90*	Pa	126	52.1	N/A	N/A	N/A
104*	DA	242	100	N/A	N/A	N/A
105*	CT	242	100	N/A	N/A	N/A
201*	DO	242	100	N/A	N/A	N/A
202*	DO	242	100	N/A	N/A	N/A
207*	CT	127	52.5	N/A	N/A	N/A
208*	DA	242	100	N/A	N/A	N/A
209*	DA	242	100	N/A	N/A	N/A
210*	Ln	74	30.6	N/A	N/A	N/A
211*	Ln	57	23.6	N/A	N/A	N/A
212*	Ln	57	23.6	N/A	N/A	N/A

\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: CT - Croatan muck; DA - Dare muck; DO - Dorovan muck; Ln – Leon sand; To - Torhunta fine sandy loam

<sup>b</sup> Growing season is based on 242 days, a maximum of 100%

March 18-June 30						
Gauge Site	Soil Type <sup>a</sup>	No. Days <12" March 18-June 30 <sup>b</sup>	% of Growing Season <sup>c</sup>	Success Criterion 1	Success Criterion 2	
					50% (years 1-3)	20% (years 4-5)
35*	To	Removed	N/A	N/A	N/A	N/A
39*	DO	105	43.4	N/A	N/A	N/A
90*	Pa	80	33.1	N/A	N/A	N/A
104*	DA	105	43.4	N/A	N/A	N/A
105*	CT	105	43.4	N/A	N/A	N/A
201*	DO	105	43.4	N/A	N/A	N/A
202*	DO	105	43.4	N/A	N/A	N/A
207*	CT	34 (70)	28.9	N/A	N/A	N/A
208*	DA	105	43.4	N/A	N/A	N/A
209*	DA	105	43.4	N/A	N/A	N/A
210*	Ln	12	5.0	N/A	N/A	N/A
211*	Ln	11	4.5	N/A	N/A	N/A
212*	Ln	11	4.5	N/A	N/A	N/A

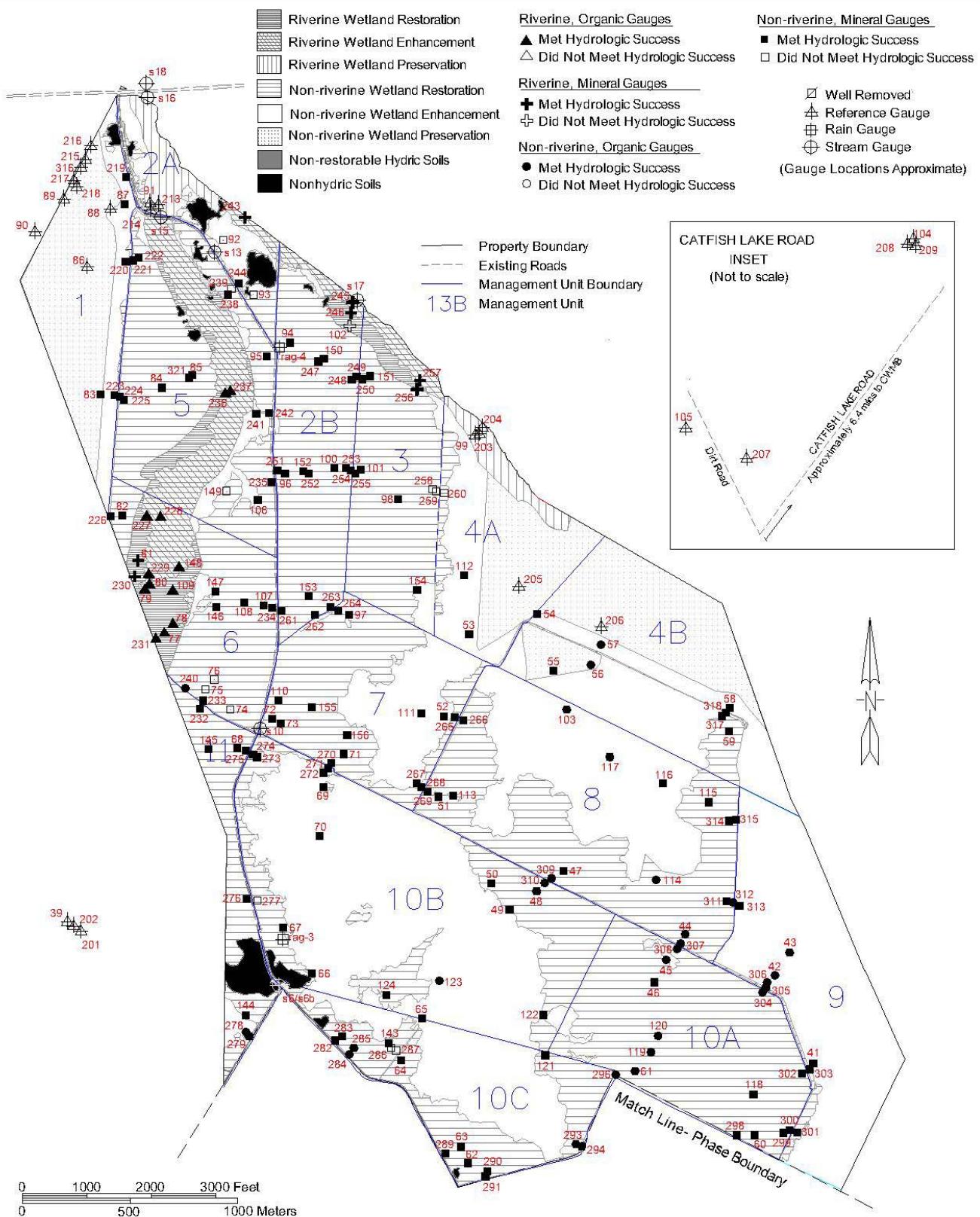
\* Hydrology Reference Gauge

<sup>a</sup> Soil Types: CT - Croatan muck; DA - Dare muck; DO - Dorovan muck; Ln – Leon sand; To - Torhunta fine sandy loam

<sup>b</sup> Based on critical defining jurisdictional hydroperiod; status shown in parentheses is projected based on incomplete data

<sup>c</sup> Percent of growing season is based on 105 days (between March 18 and June 30), a maximum of 43.4%

**Figure 5a. Hydrologic Monitoring Results (March-June), Phase II**



**Figure 5b. Hydrologic Monitoring Results (March-June), Phase I**

